

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10	(OFDM and (sub\$carrier) and antenna and (data near3 (element packet block chunk)) and ((assign\$3 allocat\$3 designat\$3) with (element data packet sample) with (sub\$carrier))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 16:29
L2	4	1 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 16:30
L3	550	(OFDM and (sub\$carrier) and antenna and (data near3 (element packet block chunk)) and ((assign\$3 allocat\$3 designat\$3) with (element data packet sample) with (sub\$carrier)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 16:32
L4	100	OFDM same (sub\$carrier) same antenna same (data near3 (element packet block chunk))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 16:33
L5	1	4 and ((assign\$3 allocat\$3 designat\$3) same (element data packet sample) same (sub\$carrier) same (transmission transmit\$4 receiv\$3) same (different near3 (data element)) same ("same" near3 (sub\$carrier carrier)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 16:38
L6	38	OFDM same MIMO same ((assign\$4 allocat\$3) with (data element pilot packet block) with sub\$carrier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 16:43
L7	12	6 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 16:43
L8	1076	370/330.ccls.	US-PGPUB; USPAT; USOCR;	OR	ON	2011/07/22 16:58

			EPO; JPO; DERWENT; IBM_TDB			
L9	706	370/334.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 16:59
L10	18	8 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 16:59
L11	11	10 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 16:59
L12	2562	455/562.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 17:00
L13	19	8 and 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 17:00
L14	16	13 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/22 17:00
S1	2	"US 20060221898"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/10/03 16:33
S2	15	"6785520"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/03 16:34
S3	3	"20010033623"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/03 16:39
S4	2	((MARTIN) near2 (BOSSERT)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/03 16:40
S5	9	((ELENA) near2 (COSTA)).INV.	US-PGPUB; USPAT;	OR	ON	2008/10/03 16:43

			USOCR			
S6	3	"2001033623"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/10/06 16:38
S7	4	"2001033623"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 16:38
S8	1	"200133623"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 16:39
S9	3	"20010033623"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 16:39
S10	2	"US 20060221898"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/10/07 11:04
S11	590	370/330.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 12:03
S12	901	370/477.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 12:04
S13	4	S11 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 12:04
S14	4	S13 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 12:05
S15	3682	OFDM and MIMO	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 12:06

S16	62	S15 and ((re\$arrang\$5 re\$order\$3) near4 (signal element))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 12:08
S17	20	S16 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 12:08
S18	0	((AXEL) near2 (HUEBNER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 10:45
S19	0	((AXEL) near2 (HUEBNER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 10:45
S20	19	((MATTHIAS) near2 (LOTT)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 10:46
S21	54	((EGON) near2 (SCHULZ)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 10:52
S22	0	((AXEL) near2 (HUEBNER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 11:09
S23	2	"US 20060221898"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/03/06 10:17
S24	30586	ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/22 16:25
S25	10435	S24 and ((multiple plural\$3) near4 (antenna sub\$carrier carrier))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/22 16:27
S26	231	S25 and ((time near2 sequence) same (re\$order\$3 re\$arrang\$3 re\$shuffl\$3 order\$3 arrang\$3 shuffl\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/22 16:29
S27	128	S26 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/22 16:29
S28	21	S24 same (tim\$3 near3 (re\$order\$3 re\$arrang\$3))	US-PGPUB; USPAT;	OR	ON	2009/05/22 16:42

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S29	11	S28 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/22 16:42
S30	3	S29 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/22 16:43
S31	2	"7190689"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 16:18
S32	30586	ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 18:34
S33	4751	S32 and mimo	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 18:34
S34	2105	S33 and sub\$carrier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 18:34
S35	47503	(multiple plurality) near3 antenna	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 18:35
S36	1736	S34 and S35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 18:35
S37	81	S36 and ((re\$arrang\$3 re\$order\$3)	US-PGPUB;	OR	ON	2009/05/23

		near4 (sequence time element signal))	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			18:37
S38	33	S37 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 18:37
S39	12	S37 and (@ad<"2000416" @rlad<"20030416")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 18:44
S40	4	"2001033623"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/15 18:03
S41	3	"20010033623"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/15 18:03
S42	26	(sub\$carrier and ((plurality array) near4 (antenna)) and OFDM and ((data information) near6 (element divid\$3 separat\$3))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/15 18:56
S43	11	S42 and (@ad<"20030416" @rlad<"20030416")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/15 18:57
S44	34056	OFDM (orthogonal near2 frequency near2 devision near2 multiplex\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/16 13:55
S45	10292	S44 and (sub\$carrier sub\$band sub\$frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/16 13:56
S46	4021	S45 and (multi\$carrier)	US-PGPUB; USPAT;	OR	ON	2009/11/16 13:56

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S47	1058	S46 and (multiple near5 antenna)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/16 13:57
S48	634	S47 and ((data information) near5 (divi\$4 separat\$3 element\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/16 13:57
S49	21	S48 and ((different near4 (element data)) same ("same" near3 (sub\$carrier carrier sub\$band)) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/16 14:02
S50	21	S48 and ((different near4 (element data)) same ("same" near3 (sub\$carrier carrier sub\$band)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/16 14:02
S51	10	S50 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/16 14:04
S52	8	S50 and (@ad<"20030416" @rlad<"20030416")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/16 14:04
S53	55	("20010012764"   "20010015994"   "20010046255"   "20010053143"   "20020001316"   "20020024975"   "20020064246"   "20020072392"   "20020122501"   "20020136170"   "20020141355"   "20020196842"   "20030002450"   "20030032423"   "20030108117"   "20030125090"   "20030139194"   "4599734"   "4639914"   "5274844"   "5394435"   "5437055"   "5491723"   "5507035"   "5577265"   "5982327"   "6008760"   "6037898"   "6038272"   "6044120"   "6058105"   "6097771"   "6122260"   "6124824"   "6141393"   "6144711"   "6147985"   "6157340"   "6177906"   "6195045"   "6211671"   "6252548"   "6307882"	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/20 21:13

		"6317466"   "6327310"   "6331837"   "6349219"   "6351499"   "6369758"   "6442214"   "6462709"   "6463295"   "6473467"   "6584161"   "6636568").PN.				
S54	5	"7099678"	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/20 21:16
S55	362	455/59.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 13:32
S56	51	S55 and (OFDM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 13:32
S57	11	S56 and ((plurality multiple) near5 (antenna))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 13:34
S58	4	S57 and (@ad<"2000416" @rlad<"20030416")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 13:34
S59	58	S55 and ((sub\$frequenc\$3 sub\$band sub4carrier) OFDM)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 14:12
S60	14	S59 and (((multiple multi plurality) near4 (antenna)) MIMO)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 14:13
S62	8	S60 and (@ad<"20030416" @rlad<"20030416")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 14:14
S63	6	S57 and (@ad<"20030416" @rlad<"20030416")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 14:14
S64	6	("2002/0142723").URPN.	USPAT	OR	ON	2009/11/30



						14:22
S65	34465	OFDM	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 20:19
S66	5776	S65 and (MIMO)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 20:19
S67	28	S66 and ((stream element sub\$stream sub\$data sub\$element) with ("same" near3 (sub\$carrier sub\$band sub\$frequency)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 20:21
S68	6	S67 and (@ad<"20030416" @rlad<"20030416")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 20:22
S69	2	"US 20060221898"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/12/01 14:35
S70	52	ofdm same (mimo) same (sub\$carrier) same (multiple near2 carrier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 13:40
S71	29	S70 and (ofdm near3 modulation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 13:41
S72	17	S71 and ((antenna data) near3 (weight factor specific))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 13:42
S73	0	S72 and (cyclic near3 permutation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 13:43

S74	10	S72 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 13:45
S75	0	S70 and ((multipl\$3 specific) same (factor weight) same (antenna) same data same (before near3 modulation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 13:52
S76	6	S70 and ((multipl\$3 specific) same (factor weight) same (antenna) same data)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 13:53
S77	5	S76 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 13:53
S78	1132	370/343.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 14:01
S79	448	S78 and (ofdm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 14:01
S80	102	S79 and (MIMO)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 14:01
S81	82	S80 and (sub\$carrier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 14:01
S82	0	S81 and (sub\$data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 14:02
S83	10	S81 and (data near4 element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	OR	ON	2010/12/27 14:02

			IBM_TDB			
S84	33	S81 and (multipl\$4 same (antenna data information) same (factor specific weight))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 14:03
S85	8	S84 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/27 14:03
S86	5605	OFDM same MIMO	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/04 23:09
S87	1167	S86 same (sub\$carrier sub\$frequenc\$3 sub\$band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/04 23:10
S88	195	S87 same (multipl\$4 same (factor weight specific\$5 number))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/04 23:14
S89	96	S88 same (modulat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/04 23:15
S90	57	S89 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/04 23:15
S91	2	"US 20060221898"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/01/10 15:14
S92	5629	OFDM same (MIMO)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 19:52
S93	71	S92 same (data near4 (element divid\$3))	US-PGPUB; USPAT;	OR	ON	2011/01/10 19:59

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S94	17	S93 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 19:59
S95	455	S92 and ((divid\$3 near4 data) (data near3 elememnt))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 20:19
S96	20	S95 and ((transmit\$4 with (element data burst)) same ("same" near3 sub\$carrier))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 20:20
S97	15	S96 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 20:21
S99	3	"20010033623"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 12:43
S100	6	("7149253").URPN.	USPAT	OR	ON	2011/01/15 12:44
S101	9	("5088113"   "5912931"   "6005876"   "6131016"   "6178194"   "6185258"   "6424679"   "6483821"   "6728302").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:48
S102	0	"2005281188"	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:54
S103	1	"20050281188"	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:54
S104	2	((MARTIN) near2 (BOSSERT)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 13:09
S105	14	((ELENA) near2 (COSTA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 13:11
S106	4	((AXEL) near2 (HUEBNER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 13:13

S107	25	((MATTHIAS) near2 (LOTT)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 13:13
S108	84	((EGON) near2 (SCHULZ)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 13:16
S109	1432	455/101.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 13:20
S110	396	S109 and (OFDM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 13:24
S111	251	S110 and (MIMO)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 13:24
S112	146	S111 and (sub\$carrier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 13:24
S113	145	S112 and (sub\$data element symbol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 13:25
S114	21	S113 and (assign\$3 same (data symbol sub\$data) same sub\$carrier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 13:26
S115	7	("20040101066"   "20050013238"   "20050159115"   "20050207333"   "20060121946"   "20080069255"   "7411896").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 13:35
S116	9	("5088113"   "5912931"   "6005876"   "6131016"   "6178194"   "6185258"   "6424679"   "6483821"   "6728302").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 13:57
S117	6	("7149253").URPN.	USPAT	OR	ON	2011/01/15 14:07
S118	65	S113 and (different same (symbol data element) same (sub\$carrier path))	US-PGPUB; USPAT;	OR	ON	2011/01/15 14:24

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S119	632	OFDM same MIMO same (element symbol) same sub\$carrier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 15:41
S120	106	S119 and ((different various multiple) same (symbol element signal data) same ((one "same") near4 sub\$carrier))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 15:43
S121	46	S120 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 15:44
S122	632	OFDM same MIMO same (element symbol) same sub\$carrier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:14
S123	106	S122 and ((different various multiple) same (symbol element signal data) same ((one "same") near4 sub\$carrier))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:14
S124	1	S123 and (cyclic near2 permutation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:14
S125	0	OFDM same MIMO same sub\$carrier same (cyclic near3 permutat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:16
S126	2	(OFDM same MIMO same sub\$carrier) and (cyclic near3 permutat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:16
S127	578	(OFDM same MIMO same sub\$carrier)	US-PGPUB;	OR	ON	2011/01/15

		and ((re\$arrang\$3 re\$order\$3 shift\$3) same (signal symbol))	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			21:23
S128	4	S127 and (cycl\$2 with permutat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:24
S129	23	S127 and (cycl\$2 same permutat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:24
S130	7	S129 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:25
S131	17865	OFDM and ((signal symbol) same (re\$arrang\$5 re\$order\$3 cycl\$3 shift\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:44
S132	14702	OFDM and ((signal symbol) with (re\$arrang\$5 re\$order\$3 cycl\$3 shift\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:45
S133	31	OFDM and (((signal symbol) with (re\$arrang\$5 re\$order\$3 cycl\$3 shift\$3)) same (permutation with cyclic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:46
S134	4	S133 and (@ad<"20040317" @rlad<"20040317")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:47
S135	12	"7190734"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/15 21:49
S136	6376	OFDM same MI MO	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2011/06/22 14:36

			DERWENT; IBM_TDB			
S137	1191	S136 same (sub\$carrier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/22 14:36
S138	114	S137 and (cyclic near4 (permutation shift\$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/22 14:43
S139	4	S137 same (cyclic near4 (permutation shift\$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/22 14:43
S140	91	S138 and (matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/22 14:56
S141	4	S140 and (@ad<"20030416" @rlad<"20030416")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/22 14:57
S142	6	S138 and (@ad<"20030416" @rlad<"20030416")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/22 14:57
S143	0	S137 same ((dividing near3 (data message information)) ((data information) near3 element)) same assign\$3 same (different near3 element) same sub\$carrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/22 15:02
S144	28	(OFDM same (MIMO ((multiple plurality plural) near3 antenna)) same (sub\$carrier) same (assign\$3 allocat\$3) same (data information element)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/22 15:05
S145	6	S144 and (@ad<"20030416" @rlad<"20030416")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/22 15:05



S146	136	(OFDM and (MIMO ((multiple plurality plural) near3 antenna)) and (sub\$carrier) and (assign\$3 allocat\$3) and (data information element)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/22 15:08
S147	18	S146 and (@ad<"20030416" @rlad<"20030416")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/22 15:08

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